



elemelt<sup>®</sup>



# Hot Melt Stick & Applicator Catalog

Brought to you by  **ELLSWORTH**  
ADHESIVES



# elemelt<sup>®</sup>

Elemelt, an Ellsworth Adhesives brand, offers a range of both stick and bulk hot melt adhesives and specialty cleaning products in various formats to meet your product assembly and packaging needs. Available formulas include EVAs, acrylics, polyamides, metallocenes, and more. Elemelt purge cleaning compounds are safe, non-hazardous, and help flush and clean thermoplastics and PSAs from bulk reservoir tanks, or reactive PUR hot melts from equipment.

Ellsworth Adhesives is a global corporation specializing in the distribution of specialty chemicals and equipment, distributing a wide range of hot melts, adhesives, sealants, lubricants, coatings, encapsulants, tapes, soldering products, surface preparations, specialty chemicals, maintenance, and repair products and dispensing equipment. Ellsworth Adhesives not only offers an extensive product line, but is the only integrator specializing in the supply and logistics of specialty chemicals.

**To place an order or for more information, please contact an Ellsworth Adhesives representative at 1(800) 888-0698 or email [info@ellsworth.com](mailto:info@ellsworth.com).**



# Elemelt Hot Melt Stick Guide

Elemelt	Description & Application	Color / Chemistry	Appl. Temp (°F)	Open Time (sec)	Sizes
HMS425	APAO with a long open time for bonding foam to foam, foam to fabric, and other porous substrates. Can be extruded or sprayed.	Off-White / APAO	350 - 375	3 - 7 minutes	½" x 10" ⅝" x 15"
HMS600	General purpose. Bonds many woods & wood composites for woodworking & cabinetry.	Amber / EVA	350 - 400	40 - 50	½" x 10" or 15"
HMS601	Low melt for packaging & carton sealing. Bonds to most porous materials.	Tan / EVA	250 - 300	5	½" x 10" or 15" ⅝" x 10" ⅝" x 8" Quad
HMS701	Fast set for corrugated carton sealing. Low temperature resistance. Bonds most porous materials (wood, paper, cloth).	Amber / EVA	250 - 380	15	½" x 10" or 15" ⅝" x 10" 1¼" x 1¼" ⅝" x 8" Quad 1" x 3"
HMS702	Fast set for corrugated carton sealing & small packaging. Good adhesion to some corrugated packaging & paper products.	Amber / EVA	250 - 380	5	½" x 10" or 15"
HMS707	High performance for difficult substrates (porous or non-porous). Bonds glass, leather, metals, magnets, ceramics, wood, ABS, PVC, & some vinyls.	Clear or Black / EVA	380	30	½" x 10" or 15" ⅝" x 10"
HMS711	Excellent hot tack, fast set packaging. Good adhesion to plain & some corrugated packaging.	Tan / EVA	380	5 - 10	½" x 10" or 15" ⅝" x 10" 1" x 3"
HMS735	High strength for metal, plastics & non-porous substrates. Bonds leather, wood, ceramic, & non-porous materials.	Amber / EVA	325 - 380	25	½" x 10" or 15" ⅝" x 10" 1" x 3"
HMS739	High strength wood bonder & dent remover. Bonds metals, plastics, ceramics, & non-porous materials.	Amber / EVA	325 - 380	25	½" x 10" or 15"
HMS748	Polyamide bonder for most plastics & woods (high temperatures) & paper, fabric, & ribbons (low temperatures). Resistant to oils, transmission fluids, brake fluid, & fuels.	Amber or Black / Polyamide	275 - 380	15	½" x 10" or 15"
HMS800	General purpose with excellent hot tack for packaging. Strong bonds to most papers & other porous materials.	Translucent / EVA	350 - 400	25 - 35	½" x 10" or 15"
HMS900	General purpose for assembly of plastics & woods at high temperatures. Bonds to porous & non-porous materials at low temperatures.	Clear / EVA	250 - 380	60	½" x 10" or 15" ⅝" x 8" Quad 1" x 3"
HMS925	High performance acrylic with long open time. Makes flexible bonds on hard-to-bond substrates like concrete, metal, wood, vinyl, glass, and ceramic.	Clear / Acrylic	350 - 390	60	½" x 10"

# Stick & Applicator Reference Chart







Hot Melts	Applicators				
<p>½" x 10" or 15"</p> 	<p>Ellsworth Adhesives EA100-12</p> 	<p>Power Adhesives 806-12</p> 	<p>Fastenmaster HB220</p> 	<p>Surebonder Pro9700A</p> 	<p>3M AE II</p> 
<p>⅝" x 10" or 15"</p> 	<p>Ellsworth Adhesives EA100-58</p> 	<p>Surebonder Pro2-500</p> 	<p>Power Adhesives 806-15</p> 	<p>Power Adhesives 820-15</p> 	
<p>1" x 3"</p> 	<p>3M PG II Applicator</p> 				
<p>1 ¼" x 1 ¼"</p> 	<p>Power Adhesives Tec 3400 Extrude</p> 	<p>Power Adhesives Tec 6100 Extrude</p> 	<p>Power Adhesives Tec 7100 Extrude</p> 	<p>Power Adhesives Tec 6300 Spray</p> 	<p>Power Adhesives Tec 7300 Spray</p> 
<p>⅝" x 8" Quad</p> 	<p>3M EC Applicator</p> 	<p>3M TC w/Quadrack</p> 			



# Compatible Nozzle Chart

Nozzle	Nozzle Diameter / Outlet mm/inch (ID)	Nozzle Length mm/inch	Thread Size (inch)	Description
Power Adhesives ADJ012 	6.0 / 2.3 wide	30 / 1.2	7/16 UNF	Ball Valve Steel / Ribbon Extension Copper Nozzle
Power Adhesives ADJ013 	3.0 / .11 orifice	30 / 1.2	7/16 UNF	Ball Valve Steel / Angled Extension Copper Nozzle
Power Adhesives ADJ014 	1.25 / .049 orifice	30 / 1.2	7/16 UNF	Ball Valve Steel / Precision Extension Copper Nozzle
Power Adhesives ADJ023 	3.5 / .13 orifice	15 / .60	7/16 UNF	Ball Valve Steel Hub / Standard Aluminum Nozzle
Power Adhesives ANZ016 	2.0 / .13 orifice	15 / .60	7/16 UNF	Ball Valve Steel Hub / Standard Aluminum Nozzle
Power Adhesives ADJ010 	2.0 / .08 orifice	12 / .47	7/16 UNF	Ball Valve / Standard Aluminum Nozzle
Power Adhesives MDJ016 	2.0 / .08 orifice	12 / .47	7/16 UNF	Oiler Valve / Standard Aluminum Nozzle
Power Adhesives MDJ018 	1.25 / .05 orifice	5 / .20	7/16 UNF	Oiler Valve / Standard Aluminum Nozzle with Copper Tip
Power Adhesives MDJ019 	5.0 / .08 width	12 / .47	7/16 UNF	Oiler Valve / Short Aluminum Nozzle with Copper Ribbon Tip
Power Adhesives MDJ021 	2.0 / .08 orifice	19 / .74	7/16 UNF	Ball Valve / Standard Aluminum Extension Nozzle

# Compatible Nozzle Chart

Nozzle	Nozzle Diameter / Outlet mm/inch (ID)	Nozzle Length mm/inch	Thread Size (inch)	Description
 <p>FastenMaster PA-10-SPN28</p>	2.0 / .07 orifice	57 / 2.2	7/16 UNF	Ball Valve Steel Hub / Angled Injection Steel Nozzle
 <p>Surebonder MNR-23</p>	3.0 / .11 orifice	45 / 1.7	7/16 UNF	Ball Valve Steel / Standard Extended Steel Nozzle
 <p>Surebonder MNR-21</p>	3.0 / .11 orifice	38 / 1.5	7/16 UNF	Ball Valve Steel / Standard Short Steel Nozzle
 <p>Surebonder I01 Valve</p>	N/A	N/A	7/16 UNF	Brass Check Valve (Required for I03N, I03R & I03F Nozzles)
 <p>Surebonder I03N</p>	2.0 / .08 orifice	36 / 1.4	5/16 - 24 UNF	Aluminum Hub / Brass Blunt Extension Nozzle (Requires I01 Valve)
 <p>Surebonder I03R</p>	3.1 / .125 orifice	45 / 1.7	5/16 - 24 UNF	Steel Hub / Brass Angled Extension Nozzle (Requires I01 Valve)
 <p>Surebonder I03F</p>	1.3 / .05 width	45 / 1.7	5/16 - 24 UNF	Steel Hub / Brass Ribbon Extension Nozzle (Requires I01 Valve)
 <p>3M 9234 KIT w/ 9921</p>	9921 Nozzle / 2.2 / .09 orifice	Nozzle 18.5 / .73 Nozzle w/Valve 33 / 1.3	7/16 UNF/ 7/16 UNF	Aluminum Check Valve w/ Steel Fluted Nozzle (For use with 3M EC & TC applicators)
 <p>3M 9729 KIT w/ 9940</p>	9940 Nozzle / 3.1 / .125 orifice	Nozzle 18.5 / .73 Nozzle w/Valve 66 / 2.6	7/16 UNF / 33/64 - 20 UNF	Brass / Aluminum Check Valve w/ Steel Fluted Nozzle (For use with 3M PG II applicator)
 <p>3M 9785</p>	1.7 / .07 orifice	32.5 / 1.27	7/16 UNF	Tapered Aluminum Nozzle
 <p>3M 9946</p>	1.8 / .072 orifice	44.5 / 1.7	7/16 UNF	Brass Nozzle



W129 N10825 Washington Drive, Germantown, WI 53022

1 (800) 888-0698 | [ellsworth.com](http://ellsworth.com)

[info@ellsworth.com](mailto:info@ellsworth.com)

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